



# DHANUJA SURASINGHA

## SOFTWARE ENGINEERING INTERN

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## PROFESSIONAL SUMMARY

A passionate and motivated IT undergraduate and aspiring Software Engineer with a strong foundation in core programming and problem-solving. Possessing a keen interest in Cloud Computing and DevOps methodologies, I am eager to apply my foundational development skills and commitment to continuous learning in a challenging Software Engineering Internship. Seeking to contribute to innovative projects and gain hands-on experience in building efficient, scalable systems.

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## EDUCATION

**University of Moratuwa**

2023 - Present

B.Sc.(Hons) in Information Technology

CGPA : 3.27

**Ananda National College, Chilaw**

2006-2020

GCE Advanced Level - 2021 Biological Science Stream

Results : 3Bs

Z Score : 1.5967

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## TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C#, C
- **Frontend:** React Js, NextJs, Angular, Tailwind CSS, JavaScript
- **Backend:** ASP.Net
- **Database:** MsSQL, MySQL, PostGreSQL, MongoDB
- **Software Testing:** TestNg
- **Authentication:** JWT, Clerk
- **Project Management:** Jira
- **Version Controlling:** Git
- **Cloud Computing:** AWS, Azure
- **Tools:** GitHub, Figma, Cisco Packet Tracer, Google Colab, Postman,

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## PROJECTS

### Tea Factory Supply Chain Management System [\(See More\)](#)

Level 2 Software Development Project (Group Project) - 2025

- Developed a full-stack Tea Factory Supply Chain Management System (TFSCMS) to digitize and automate core operational processes, enhancing overall efficiency and data accuracy.
- Led the design and implementation of the Ledger Management and Reporting modules, which is the financial backbone of the system for accurate transaction tracking and insights.
- Enabled end-to-end sales lifecycle management, from packing to dispatch, with real-time reporting via a web app for administrators and a mobile app for field agents.

**Technologies :** Angular, ASP.NET, Flutter, MSSQL, Azure, RESTful APIs

**Role :** Full Stack Developer

## Personal Portfolio Website (See More [↗](#))

Individual Project - 2025

- Developed a responsive personal portfolio website showcasing skills, projects, and professional experience with optimized performance and seamless UX across devices.
- Implemented modern frontend technologies and backend integration, demonstrating full-stack development proficiency through contemporary design patterns and smooth animations.

**Technologies :** React.js, Tailwind CSS, Framer Motion, Email.js, Vercel CI/CD

**Role :** Full Stack Developer

## Real-Time Event Planner (REAP) (on going) (See More [↗](#))

Individual Project - 2025

- Developed a Real-Time Event Planner (REAP) using ASP.NET SignalR (WebSockets) for instant collaborative task management and immediate data synchronization, with a complete CRUD API built on .NET 8 Web API, PostgreSQL, Entity Framework Core, and Dependency Injection.

**Technologies :** React, ASP.NET 8, SignalR, PostgreSQL, Tailwind CSS

**Role :** Full Stack Developer

## ExpenZ AI - Personal Finance Tracker (See More [↗](#))

( Launch [↗](#) )

Individual Project - 2025

- Developed an AI-powered personal finance application featuring intelligent expense categorization, real-time analytics with interactive charts, and a conversational AI interface for personalized financial insights and spending pattern analysis with multi-provider authentication.

**Technologies :** Next.js 15, React 19, TypeScript, Tailwind CSS, PostgreSQL (Neon), Prisma ORM, OpenRouter AI, Clerk Authentication, Chart.js, Vercel CI/CD

**Role :** Full Stack Developer

## Condition controlled plant maintaining system (See More [↗](#))

Group project - 2024

- Developed an ESP32-based IoT plant care system with environmental sensors (DHT22/DS18B20), automated watering, intelligent cooling, GSM notifications, and real-time LCD monitoring for urban environments.

**Technologies :** Arduino, ESP32, DHT22/DS18B20 Sensors, C++, Proteus Simulation, EasyEDA

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## CERTIFICATIONS

- Professional Certificate in Agile and SCRUM by MTF Institute
- .Net Full Stack Foundation

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## ACHIEVEMENTS

- Mora UXplore 2.0 - Semi-finalists - Organized by the University of Moratuwa.

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## EXTRACURRICULAR ACTIVITIES

- Company Coordinator - FIT Future Careers - 2024
- Floor Coordinator - FIT Future Careers - 2025.

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## REFERENCES

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